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134 snAlaAlaSerAsnLeuLeuSerGlyArgAsnValAspThrIleIleAsn 150
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506 ATGCGGATCAAAATCTTGTCTGGAGGAATGTGACACAAATAATTAAC 555
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151 GlnLeuMetGluMetGlyGlySerTrpAspLysAspLysValGlnAr 167
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556 CACCTAATGAGATGGGTGGGGCAGTTGGACAAAGATTAAGTCCAAAG 605
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167 gaLaLeuArgAlaAlaTyrAsnAsnProGluArgAlaValGluTyrLeu 184
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606 GGCTTCGCCGCGCTTACAAACACCCGAACGTGGTGTGAATFACCTCT 655
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184 yTserGlyIleProValThrAlaGluIleAlaValProIleGlyGln 200
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656 ACTCTGATATTCAGTAACAGCTGAATTCGTCCAAATGGTGGCA 705
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201 GAlaAlaAsnThrAspArgAlaProThrGlyGluAlaGlyLeuSerG 217
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706 GGGGCAACACCACTGATCGAGCTCTACTGGGGAAGCTGTCTCTGG 755
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217 yIleProAsnThrAlaProLeuAspLeuPheProGlnGlyAlaSerAs 234
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756 GATTCCAAACACCGCTCCACTAGATCTTTCCCGCAGGGGCTTCCAA 805
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234 laGlyGlyGlyAlaGlyGlyGlyProLeuAspPheLeuArgAsnPro 250
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806 CTGGAGGTGGTGGTGGTGGGACCACTGATTTCTTAAAGAACAAATCA 855
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251 GlnPheGlnAlaValArgGluMetValHisThrAsnProGlnIleLeu 267
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856 CACTTTCACACACTTAGGGAAATGTCCTCAATCCACAAATTTTGCA 905
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267 nPromeTLeuValGluLeuSerLysGlnAsnProGlnIleLeuArgLeu 284
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906 GCCTATGCTGCTGAGTTGAGCAAGCAAGATCTCAAAATCTTAAGTTGA 955
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284 leGluGluAsnHisAspGluPheLeuGlnLeuLeuAsnGluProPheG 300
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956 TTGAGAGAAATCATGATGAGTTCTTCACTTAATGAGCCCTTTGAA 1005
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367 uAsp 368
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seq_name: /cgn2_6/ptodata/1/lna/6B_COMB.seq:US-09-413-574-1

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seq_documentation_block:
: Sequence 1, Application US/09413574
: Patent No. 6235972
: GENERAL INFORMATION:
: APPLICANT: Mahajan, Pramod B.
: TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof
: FILE REFERENCE: 0964
: CURRENT APPLICATION NUMBER: US/09/413,574
: CURRENT FILING DATE: 1999-10-06

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: EARLIER APPLICATION NUMBER: 60/109,728
: EARLIER FILING DATE: 1998-11-23
: NUMBER OF SEQ ID NOS: 5
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1
: LENGTH: 1522
: TYPE: DNA
: ORGANISM: Zea mays
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (58)...(1272)
: US-09-413-574-1

alignment_scores:
  Quality: 900.50      Length: 402
  Ratio: 3.063         Gaps: 7
  Percent Similarity: 73.134  Percent Identity: 49.005

alignment_block:
US-09-805-550-4 x US-09-413-574-1 ..

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158 AAGGTAGAGACTACTACCGGGGAGACAGCAATGCTCATATACCAAGG 207
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208 AAAATCTCAAGGATGAACCACTTTGAAAGCAAGAGATTCTGAGAA 257
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258 CAGCTTCCTGTTATATGTTGTCCAAAGGCTAAGCATCA...TCAGATG 304
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84 TyrHisSerSerGlnHisSerAsnThrProAlaThrArgGlnAlaPro 100
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305 GAGCTTCTACCGCTACTACTACGCAAAAGCTCTGCAACTCGGCCCACT 354
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111 oProValAlaProIleThrThrSerGlnProGluGluLeuProAlaGln 128
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405 TCCTGTGGCCACAGCTGAAGAGGACCTCCAAAGTCCAACTCAGCGTG 454
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128 laPro.....AsnThrHisAspAsn 134
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455 CTCACACTGCTAGCTGTGCTGCTACTGATGATGATGATGATGATGATG 504
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505 GCAGCTTCAAAACCTTGATTTGGCACAACATCTAGAACAGACTATCCACA 554
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151 nLeuMetGluMetGlyGlySerTrpAspLysAspLysValGlnArg 168
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555 AATTCTTGACATGGGTGGTGGTACATGGGACGTCGATGTTGTCGTG 604
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168 laLeuArgAlaAlaTyrAsnAsnProGluArgAlaValGluTyrLeuTyr 184
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185 SerGlyIleProValThrAlaGlu.....IleAlaValProIle 197

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655 TCTGGATTCTCTGAGAAATGTGGAGGCTCAGCCCTGTGCCCCAGACCTGCC 704
197 egiylglnlglalaasnThrThrAspArgAlaProThrglyluala 213
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214 .....GlyleuSerGlylleProAsnThrAla 222
755 TTGCATTGCAGTGCAGCCATCAGCTCCTCTGAGGCGCCCAATGCAT 804
223 ProleuAspLeuPheProGlnGlyAlaSerAsnAlaGlyly 236
805 CTTTGAACCTTTTCTCAGGGGTTCAGATGGGTGCTCAACCCAG 854
237 .....GlyAlaGlylyGlyProLeuAspPheLeuArgAsnAsp 250
855 TGTGTTCACAGTGCAGATCTGTGCTCTTGATGCTTGGACAGCTTC 904
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905 CACGTTTCAAGCAGCTCTTCACTAGTCCAGGCTAATCCTCAATCTTG 954
267 GlnProMetLeuValGlnLeuSerGlyGlnAsnProGlnIleleuArgyle 283
955 CAGCCAAATGCTCAAGAGCTAGGTAAACAAACCCACAAATTCGCGTT 1004
283 uileGlnLeuAsnHisAspGlnPheLeuGlnLeuLeuAsnGlnProPheg 300
1005 GATTCAAGAAATCAACAGCTGAGTTTCGCGTGTGATGAATCAATCTCCTG 1054
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1105 CAAACGCTGACAGTTACCCAGAGGAAGGAGGCTATCCAGCGGCTCGA 1154
333 userMetGlyPheAspArgAlaArgValIleGlnAlaPheLeuAlaCysA 350
1155 GGGAAATGGGGTCAACCGTGAAGCTGTGTGCTAGAGTTTCTTTCATGCA 1204
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seq_documentation_block:
; Sequence 4, Application US/08404531B
; Patent No. 5863724
; GENERAL INFORMATION:
; APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela
; APPLICANT: Thomas, Gilbert Cole, and Robert Gagel
; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonyleurea Receptor
; Patent No. 5863724
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 5863724ris
; STREET: One Liberty Place 46th. Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/404,531B
; FILING DATE: 15-MAR-1995
; CLASSIFICATION: A35
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; REFERENCE/DOCKET NUMBER: BYLR-0003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5110 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: nucleic acid
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
;
; US-08-404-531B-4

alignment_scores:
Quality: 156.00 Length: 178
Ratio: 1.545 Gaps: 7
Percent Similarity: 56.742 Percent Identity: 29.775

alignment_block:
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3 CTGTGACAGGTCAGTCTTACGAGAAATGTGTAATGATCATGATCAT 52
155 TGIylGlySerThrPAspLysAspLysValGlnArgAlaLeuArgAla 172
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53 GGCC.....TATGACAGAGAAACAAATATTCAGCCCTGAGAGCCA 93
172 lATyrAsnAsnProGlnArgAlaValGlnTyrLeuTyrSerGlyIlePro 188
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94 GCTTCAACAAACCTGATAGAGCTGTGGAATATCTTCTAATGGAAATCCT 143
189 ValThrAlaGlnIleAlaValAlaProIleGlyGlyGlnGlyAlaAsnThr 205
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144 GGAGACTGAGAGGATTCACAGTCTACACAGCCCTGTGAGGAGATCAAC 193
205 F.....AspArgAlaProThrGlnGlyAlaGlyLeuSerGlyIleP 219
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194 GCCCTGACTTGGCGGCGCGCGGAGGCGCGGAGCCGCGGAGCCGAGC 243
219 roAsnThrAlaProLeuAspLeuPheProGlnGlyAlaSerAsnAlaGly 235
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344 GACCGCTCAATGTGTGCCACATGTCTTCTGCTTTCATCACCTTCC 393
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seq_name: /cgn2_6/ptodata/1/ina/5B_COMB.seq:US-08-404-531B-5

seq_documentation_block:
; Sequence 5, Application US/08404531B
; Patent No. 5863724
; GENERAL INFORMATION:
; APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela
; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonylurea Receptor
; Patent No. 5863724
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESS: No. 586372415
; STREET: One Liberty Place 46th. Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/404,531B
; FILING DATE: 15-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; REFERENCE/DOCKET NUMBER: BYLR-0003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5110 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 260..5004
; US-08-404-531B-5

alignment_scores:
Quality: 156.00 Length: 178
Ratio: 1.545 Gaps: 7
Percent Similarity: 56.742 Percent Identity: 29.775

alignment_block:
US-09-805-550-4 x US-08-404-531B-5 ..
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53 GGGC.....TATGACGAGACAACTAATTCACGCCCTGAGAGCCA 93

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189 ValThrAlaGluIleAlaValProIleGlyGlyGlnGlyAlaAsnThr 205
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144 GGAGACTGAGAGGTTCTCAGTACTACAGCCTGTGGAGAGATCAACAC 193
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260 HisthrAsnProGlnIleLeuGlnProMetLeuValGluLeuSerGly 276
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seq_name: /cgn2_6/ptodata/1/ina/6A_COMB.seq:US-08-476-900A-4

seq_documentation_block:
; Sequence 4, Application US/08476900A
; Patent No. 6031150
; GENERAL INFORMATION:
; APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson
; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonylurea Receptor
; Patent No. 6031150
; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonylurea Receptor
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESS: No. 603115015
; STREET: One Liberty Place 46th. Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,900A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; REFERENCE/DOCKET NUMBER: BYLR-0027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439

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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5110 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: nucleic acid
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; US-08-476-900A-4

alignment_scores:
  Quality: 156.00      Length: 178
  Ratio: 1.545        Gaps: 7
  Percent Similarity: 56.742  Percent Identity: 29.775

alignment_block:
  US-09-805-550-4 x US-08-476-900A-4 ..

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94 GCTTCAACACCTGATAGAGCTGTGGAATATCTTCAATGGGAATCCCT 143
189 ValThrAlaGluIleAlaValProIleGlyGlnGlyAlaAsnThrTh 205
|||.....:.....:.....:.....:.....:.....:
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205 r.....:.....:.....:.....:.....:.....:
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|||.....:.....:.....:.....:.....:.....:
244 CCGTGGCGGCGCACCAATGCTTGGCTTGGCGGACCGACGAGAACACT 293
236 .GlyGlyAlaGlyGlyPro.....:.....:.....:.....:.....: 248
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260 HisThrAsnProGlnIleLeuGlnProMetLeuValGluLeuSerGly 276
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394 CATCTCTTCATCGATGGGAGCGACGACGCTC.....:.....:.....: 437
276 nasProGlnIleLeuArgIleGluGlnAsnHisAspGluPheLeuG 293
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seq_documentation_block:
; Sequence 5, Application US/08476900A
; Patient No. 6031150
; GENERAL INFORMATION:
; APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson

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; TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonylurea Receptor
; Patent No. 6031150
; TITLE OF INVENTION: and Method of Detecting Persistent Hyperinsulinemic Hypogly
; TITLE OF INVENTION: Infancy
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 6031150ris
; STREET: One Liberty Place 46th. Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,900A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; REFERENCE/DOCKET NUMBER: BYLR-0027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5110 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 260..5004
; US-08-476-900A-5

alignment_scores:
  Quality: 156.00      Length: 178
  Ratio: 1.545        Gaps: 7
  Percent Similarity: 56.742  Percent Identity: 29.775

alignment_block:
  US-09-805-550-4 x US-08-476-900A-5 ..

Align seg 1/1 to: US-08-476-900A-5 from: 1 to: 5110

139 LeuLeuSerGlyArgAsnValAspThrIleIleAsnGlnLeuMetGlu 155
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3 CTGTGACAGGTCACTTACGAGAAATGTTAGTCACTGATCATCTCAAT 52
155 tGlyGlySerTTPAspIysAspIysValGlnArgAlaLeuArgAla 172
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53 GGGC.....:.....:.....:.....:.....:.....:
172 latYrAsnAsnProGluArgAlaValGluTYrLeuTYrSerGlyIlePro 188
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94 GCTTCAACACCTGATAGAGCTGTGGAATATCTTCAATGGGAATCCCT 143
189 ValThrAlaGluIleAlaValProIleGlyGlnGlyAlaAsnThrTh 205
|||.....:.....:.....:.....:.....:.....:
144 GGAGACTGAGAGATTCACGACTCTACAGCTGTGGAGAGATCAACAC 193
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394 CATCCCTTCATCGCATGGGCGGACCGACACTC.....CAAGTGCACA 437
276 naSnProGlnleuArgleuilegluGluAsnHAspGluPheleug 293
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293 InleuLeuAsnGluProPheGluGlyglyglu 303
454 .....GCTCCATTTCCGGGGGACACA 474
seq_name: /cgn2_6/ptodata/1/lna/6A_COMB.seq:US-08-488-546A-4

seq_documentation_block:
Sequence 4, Application US/08488546A
Patent No. 6054313
GENERAL INFORMATION:
APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela
APPLICANT: Thomas, Gilbert Cole, and Robert Gagel
TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonilyurea Receptor
Patent No. 6054313
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: No. 6054313ris
STREET: One Liberty Place 46th. Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,546A
FILING DATE: 07-JUNE-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/404,531
FILING DATE: 15-MARCH-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: BYLR-0026
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 5110 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO

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US-08-488-546A-4

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    Percent Similarity: 56.742    Percent Identity: 29.775

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172 lAtyrAsnAspProGlnArgAlaValGlnGlyrIleuTyrySerGlyIlePro 188
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    Patent NO. 6054313
    GENERAL INFORMATION:
    APPLICANT: Joseph Bryan, Lydia Aguilar Bryan, Daniel Nelson, Pamela
    APPLICANT: Thomas, Gilbert Cote, and Robert Gagel
    TITLE OF INVENTION: Sequence Encoding Mammalian Sulfonilyurea Receptor
    Patent NO. 6054313
    NUMBER OF SEQUENCES: 49
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
    ADDRESS: NO. 6054313ris
    STREET: One Liberty Place 46th. Floor
    CITY: Philadelphia

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STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,546A
FILING DATE: 07-JUNE-1995
CLASSIFICATION: 800
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/404,531
FILING DATE: 15-MARCH-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Beardsell, Lori Y.
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: BYLR-0026
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5110 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 260..5004
US-08-488-546A-5

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alignment_scores:
Quality: 156.00      Length: 178
Ratio: 1.545         Gaps: 7
Percent Similarity: 56.742 Percent Identity: 29.775

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alignment_block:

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3 CTTGTGACAGGTGCTCTTACGAGAAATATGTACTGATCATCATGTCAT 52
155 tGlyGlyGlySerTrpAspLysAspLysValGlnArgAlaLeuArgAla 172
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53 GGGC.....TATGACGAGACAAAGTAATTGCAAGCCCTGAGACCA 93
172 laTyraAsnAsnProGluArgAlaValGluTyrLeuTyrSerGlyIlePro 188
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94 GCTTCAACAACCTGATAGAGCTGTGGAATATCTTAAATGGGAATCCCT 143
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236 .GlyGlyAlaGlyGlyGlyPro.....LeuAspPheLeuArg 248

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seq_documentation_block:

; Sequence 1, Application US/08480917

; Patent No. 5820864

; GENERAL INFORMATION:

; APPLICANT: PARANHOS-BACCALA, Glaucia

; APPLICANT: LESENECHAL, Mylene

; TITLE OF INVENTION: NEW TRYPANOSOMA CRUZI ANTIGEN, AND GENE

; TITLE OF INVENTION: ENCODING THE LATTER; THEIR APPLICATION TO THE DETECTION OF

; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Oliff & Berridge

; STREET: 700 South Washington Street, Suite 300

; CITY: Alexandria

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22314

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patent Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,917

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Berridge, William P.

; REGISTRATION NUMBER: 30,024

; REFERENCE/DOCKET NUMBER: MPB 36400

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 703-836-6400

; TELEFAX: 703-836-2787

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3402 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-08-480-917-1

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Quality: 155.00      Length: 258
Ratio: 1.040         Gaps: 7
Percent Similarity: 57.752 Percent Identity: 22.868

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alignment_block:

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1668 AGCAGACAAAGTCCATACGGGACATGCGACCTGTGACGGCTGATG 1717
194 AlaValProIleGlyGlyGlnGlyAlaAsnThrThrAspArgAla..... 208
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224 euAspLeuPheProGlnGlyAlaSerAsnAlaGlyGlyAlaGlyGly 240
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1918 G...GTTTCATCAGTGGCTGAGCGCTGAGAGTCCGTATACCAACACGT 1964
274 erLysGlnAsnProGlnIleLeuArgLeu.....IleGluGlu 286
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seq_name: /cgn2_6/ptodata/1/lna/5B_COMB.seq:US-09-014-969-8
seq_documentation_block:
; Sequence 8, Application US/09014969
; Patent No. 5965397
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallee, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/014, 969
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sprunger, Suzanne A.
; REGISTRATION NUMBER: 41,323
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8284
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2999 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
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67 pGlyPheLeuValMetLeuSerLysGlyLys.....GlyThrSer 78
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; Sequence 1, Application US/09095443
; Patent No. 6342593
; GENERAL INFORMATION:
; APPLICANT: Pionman, Gregory
; APPLICANT: Peles, Eior
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT
; TITLE OF INVENTION: OF ALP RELATED DISORDERS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/095,443
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/049,477
; FILING DATE: June 12, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 235/055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4456 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-095-443-1

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Percent Similarity: 41.369 Percent Identity: 25.298

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seq_name: /cgn2_6/ptodata/1/lna/5B_COMB.seq:US-09-070-060-9
seq_documentation_block:
; Sequence 9, Application US/09070060
; Patent No. 5976849
; GENERAL INFORMATION:
; APPLICANT: Hustad, Carolyn M.
; APPLICANT: Ghildyal, Namit
; TITLE OF INVENTION: Human E3 Ubiquitin Protein
; TITLE OF INVENTION: Ligase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZENECA Pharmaceuticals, Inc.
; STREET: 1800 Concord Pike
; CITY: Wilmington
; STATE: DE
; COUNTRY: USA
; ZIP: 19850-5437
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/070.060
; FILING DATE: 30-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/073.839
; FILING DATE: 05-FEB-1998
; ATTORNEY/AGENT INFORMATION:

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NAME: Higgins, Patrick H
REGISTRATION NUMBER: 39,709
REFERENCE/DOCKET NUMBER: PHM.70312
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302.886.4889
TELEFAX: 302.886.8221
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 471 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
US-09-070-060-9

alignment_scores:
Quality: 126.50 Length: 96
Ratio: 2.040 Gaps: 2
Percent Similarity: 64.583 Percent Identity: 35.417

alignment_block:
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Align seg 1/1 to: US-09-070-060-9 from: 1 to: 471

1 MetLysLeuThrValLysThrLeuLysGlyThrHisPheGluIleArgVa 17
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
1 ATGCAGATTTTCGTGAACACCTTACGGGGAGAACCATCAACCCCGAGGT 50
17 IGLnProAsnAspThrIleMetAlaValLysLysAsnIleGluIleG 34
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
51 TGAACCTCGGATACGATAGAAATGTAAAG.....GCCAAGATCC 91
34 IGLyLysAspSerThrProTyrProTyrGlyGluGluLeuIlePheAsnGly 50
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
92 AGCATTAAGAGAGAAATTCCTCTCGATCAGACAGACATGATCTTGCCTGC 141
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
51 LysValLeuLysAspGluSerThrLeuGluGluGluAsnLysValAsnGluAs 67
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
142 AACGACCTGGAAGATGACGACTTGTCTGACACATAATTCAAAAGGA 191
67 pGlyPheLeuValMetLeu.....SerLysGlyL 78
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
192 GTCTACTCTTCATCTGTGTGACACTTCGTGTGTGTGCTTAAGAAAAGGA 241
78 YsrThrSerGlySerThrGlyThrSerSerSerGlnHis 90
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242 AGAAGAAGCTTACACCACTCCCAAGAGAATTAAGCAC 279
seq_name: /cgn2_6/ptodata/1/lna/6A_COMB.seq:US-09-357-746-9
seq_documentation_block:
; Sequence 9, Application US/09357746
; Patent No. 6087122
; GENERAL INFORMATION:
; APPLICANT: ZENECA Limited
; TITLE OF INVENTION: HUMAN E3 UBIQUITIN PROTEIN LIGASE
; FILE REFERENCE: PHM.70312.N1
; CURRENT APPLICATION NUMBER: US/09/357.746
; CURRENT FILING DATE: 1999-07-21
; EARLIER APPLICATION NUMBER: US NO. 6087122 60/073.839
; EARLIER FILING DATE: 1998-02-05
; EARLIER APPLICATION NUMBER: US NO. 608712209/070.060
; EARLIER FILING DATE: 1998-04-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-357-746-9

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